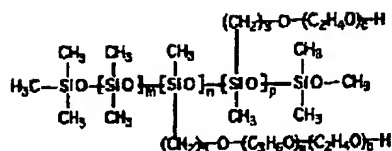


# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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APPLICANT : SHISEIDO CO LTD;

INVENTOR : HARIKI TOSHIO;

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TITLE : SOLUBILIZING COMPOSITION

$$x = (c \times p + b \times n) / (c \times p + b \times n + m + n)$$

II

ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject composition excellent in stability, solubilizing ability and impression after use without using a low molecular weight surface active agent by incorporating therein a high-molecular polyether-modified silicone and water.

SOLUTION: This solubilizing composition comprises 0.01-10 wt.% of a high-molecular polyether-modified silicone of formula I, water, a total of 0.01-10 wt.% of water-insoluble components including perfumes, oils and chemical agents as required, a humectant, a water-soluble polymer, an ultraviolet light absorber, a sequestrant, an antioxidant, and a chemical agent. The high-molecular polyether-modified silicone has an average molecular weight of 10,000-100,000, forms micelles that dissolve in water to form a transparent-semitransparent aqueous micelle solution and also solubilize the water-insoluble components. The solubilizing composition exhibits a good long-term stability when X, given by formula II, is not smaller than 0.7, and the addition of an alcohol is effective to improve the stability. In the formulae, (m) is 10-500; (n) is 0-50; (p) is 0-50; (a) is 0-50; (b) is 0-100; and (c) is 0-100.

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